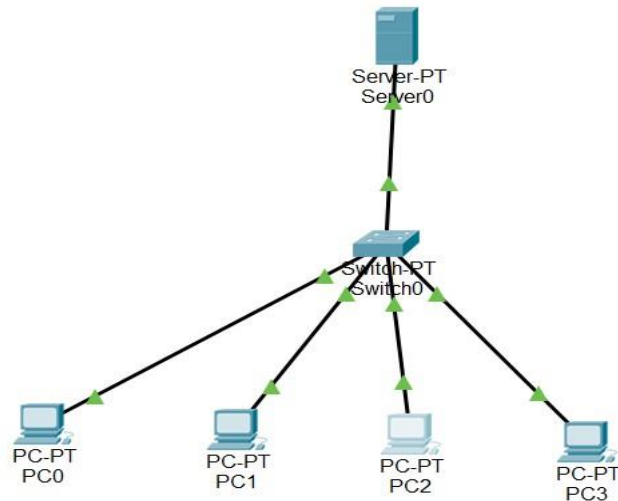


Nama : Amron Akhsanul Arif
NIM : L200180105
Kelas : C

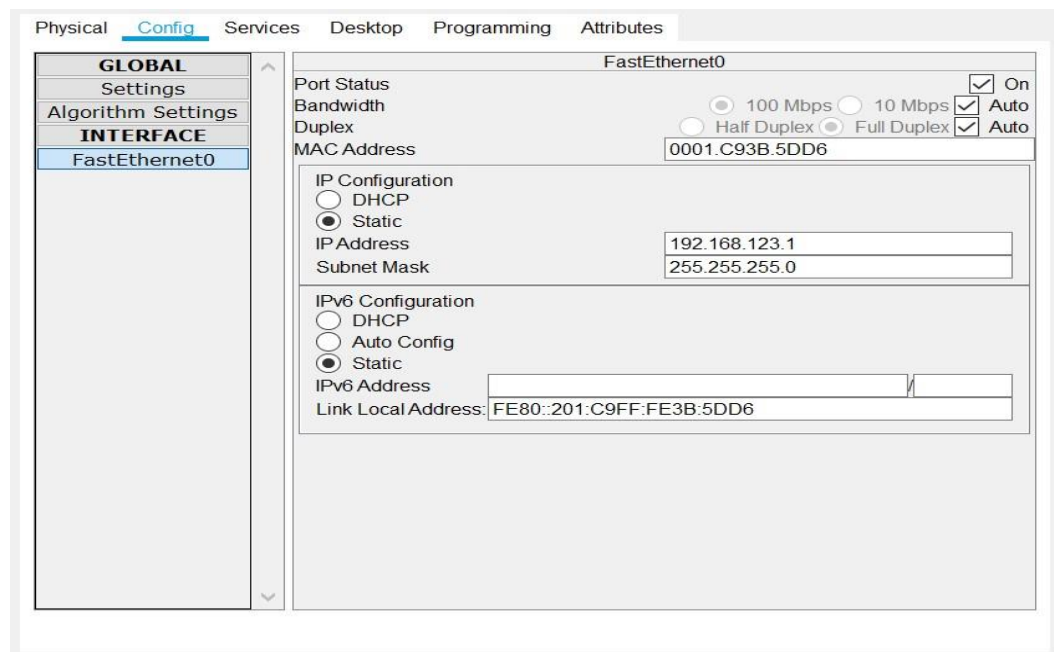
MODUL 5

Kegiatan Praktikum

1. Praktikum 1 membuat DHCP SERVER



- a. Double-klik Server0. Pilih tab config. pada menu Interface, pilih Fast-Ethernet. Pada bagian IP Configuration, isikan dengan IP address server, dalam contoh ini 192.168.123.1 subnet mask 255.255.255.0.



- b. Pilih DHCP, pastikan service DHCP On. Isikan IP address 192.168.123.19, dan pada maximum number of users = 5.

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP**
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DHCP

Interface: **FastEthernet0** Service: ☒ On ☐ Off

Pool Name: **serverPool**

Default Gateway: **0.0.0.0**

DNS Server: **0.0.0.0**

Start IP Address: **192** **168** **123** **19**

Subnet Mask: **255** **255** **255** **0**

Maximum Number of Users: **5**

TFTP Server: **0.0.0.0**

WLC Address: **0.0.0.0**

Add **Save** **Remove**

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max Jse	TFTP Server	WLC Address
serverPool	0.0.0.0	0.0.0.0	192.16...	255.25...	5	0.0.0.0	0.0.0.0

- c. pada sisi semua client masuk ip configuration, pastikan pada pilihan radio button pada pilihan DHCP.

Physical Config **Desktop** Programming Attributes

IP Configuration

Interface: **FastEthernet0**

IP Configuration

☒ **DHCP** ☐ Static

IP Address: **192.168.123.19**

Subnet Mask: **255.255.255.0**

Default Gateway: **0.0.0.0**

DNS Server: **0.0.0.0**

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: **/**

Link Local Address: **FE80::201:C7FF:FEE3:1AA6**

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: **MD5**

Username:

Password:

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IP Address 192.168.123.20

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::2D0:58FF:FEA1:ED6A

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IP Address 192.168.123.21

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::2E0:8FFF:FE3C:814C

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Physical Config **Desktop** Programming Attributes

IP Configuration [X]

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IP Address 192.168.123.22

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::2D0:FFFF:FED0:87D

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

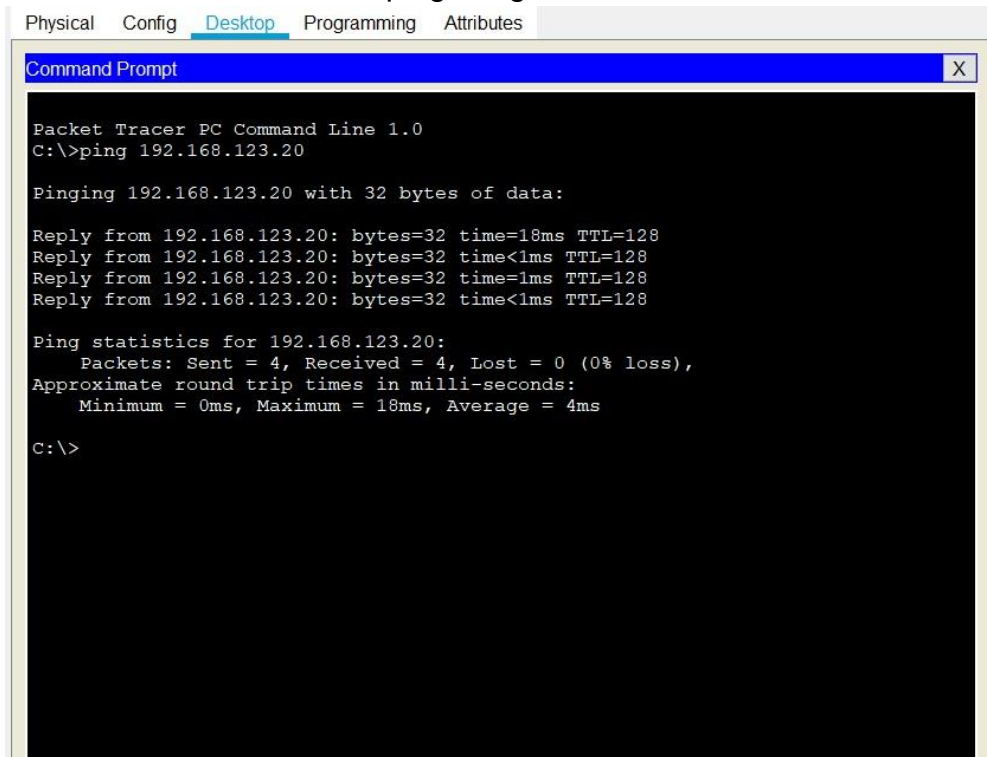
Authentication MD5

Username

Password

☐ Tnp

d. Lalu lakukan ping dengan server



Physical Config Desktop Programming Attributes

Command Prompt

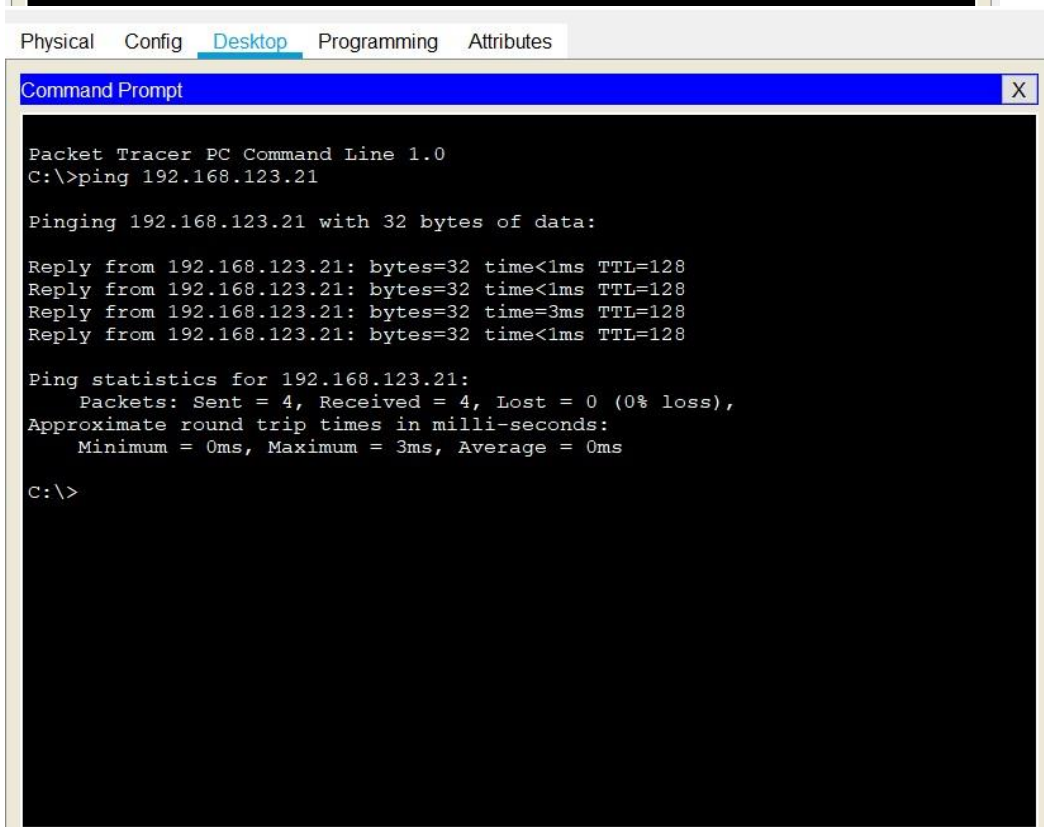
```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.20

Pinging 192.168.123.20 with 32 bytes of data:

Reply from 192.168.123.20: bytes=32 time=18ms TTL=128
Reply from 192.168.123.20: bytes=32 time<1ms TTL=128
Reply from 192.168.123.20: bytes=32 time=1ms TTL=128
Reply from 192.168.123.20: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.20:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 18ms, Average = 4ms

C:\>
```



Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.21

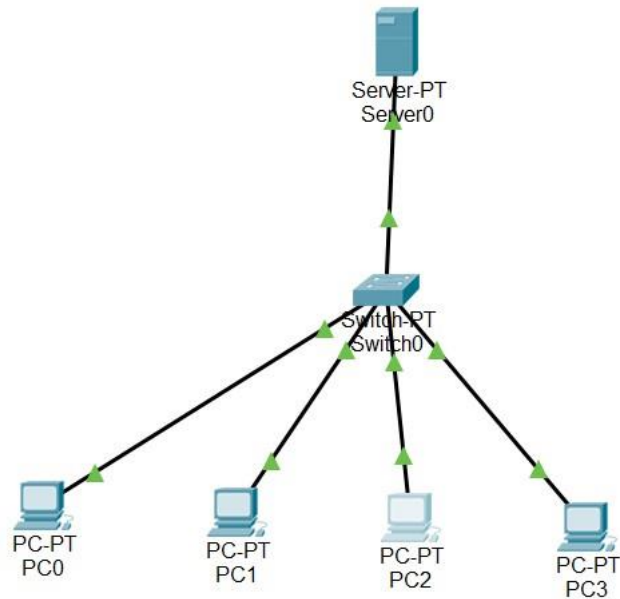
Pinging 192.168.123.21 with 32 bytes of data:

Reply from 192.168.123.21: bytes=32 time<1ms TTL=128
Reply from 192.168.123.21: bytes=32 time<1ms TTL=128
Reply from 192.168.123.21: bytes=32 time=3ms TTL=128
Reply from 192.168.123.21: bytes=32 time<1ms TTL=128

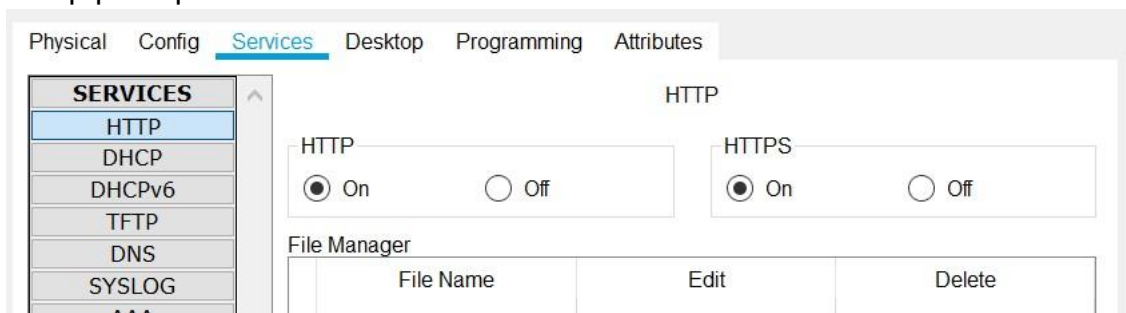
Ping statistics for 192.168.123.21:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 0ms

C:\>
```

2. Praktikum 2 Membuat WEB SERVER

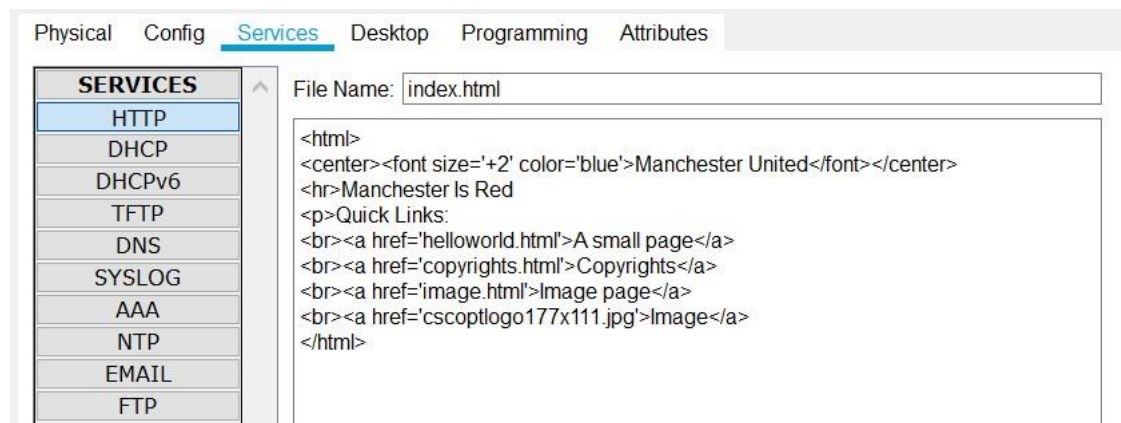


- pastikan rancangan sudah terseting seperti kegiatan 1
- lalu masuk ke server0, config services pilih http. pastikan radio button pada service http pada pilihan On

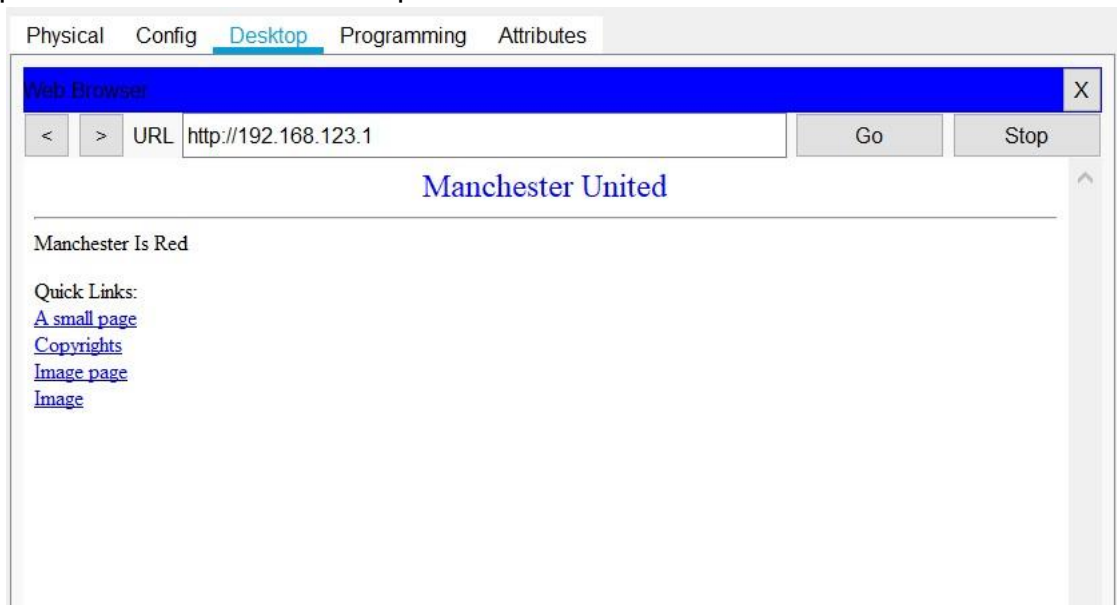


c.

lalu rubah index.html



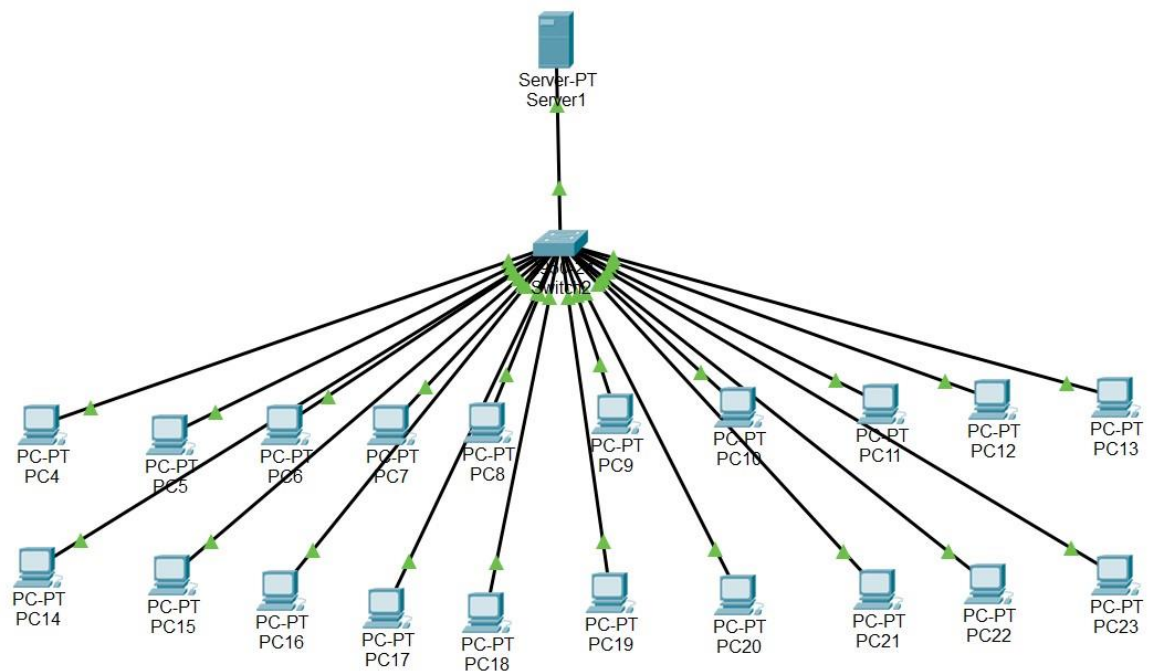
- d. melakukan browsing http. masuk pada pc0. pilih tab desktop. pada daftar menu pilih web browser. ketikkan ip address 192.168.123.1 di field url.



TUGAS

Pertama

1. Rancangan DHCP Server



2. IP config server1 dan service DHCP On

Physical Config **Services** Desktop Programming Attributes

SERVICES	
HTTP	
DHCP	
DHCPv6	
TFTP	
DNS	
SYSLOG	
AAA	
NTP	
EMAIL	
FTP	
IoT	
VM Management	

DHCP

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

Start IP Address: 192 168 7 0

Subnet Mask: 255 255 255 0

Maximum Number of Users: 31

TFTP Server: 0.0.0.0

WIC Address: 0.0.0.0

3. Tes ping

Physical Config **Desktop** Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.7.12

Pinging 192.168.7.12 with 32 bytes of data:

Reply from 192.168.7.12: bytes=32 time=1ms TTL=128
Reply from 192.168.7.12: bytes=32 time<1ms TTL=128
Reply from 192.168.7.12: bytes=32 time<1ms TTL=128
Reply from 192.168.7.12: bytes=32 time=5ms TTL=128

Ping statistics for 192.168.7.12:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\>
```


Kedua

